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SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: _____ Examiner # : _____ Date: _____
Art Unit: _____ Phone Number 30 _____ Serial Number: _____
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc. if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY

| | Type of Search | Vendors and cost where applicable |
|------------------------------------|-----------------------|-----------------------------------|
| Searcher <u>PUB</u> | NA Sequence (#) _____ | STN _____ |
| Searcher Phone #. _____ | AA Sequence (#) _____ | Dialog _____ |
| Searcher Location. _____ | Structure (#) _____ | Questel/Orbit _____ |
| Date Searcher Picked Up: _____ | Bibliographic _____ | Dr.Link _____ |
| Date Completed: <u>3-5-01</u> | Litigation _____ | Lexis/Nexis _____ |
| Searcher Prep & Review Time: _____ | Fulltext _____ | Sequence Systems _____ |
| Clerical Prep Time _____ | Patent Family _____ | WWW/Internet _____ |
| Online Time _____ | Other _____ | Other (specify) _____ |

From: Steadman, David (AU1652)
Sent: Tuesday, January 23, 2001 7:33 AM
To: STIC-Biotech/ChemLib
Subject: 09/371347SEQ SEARCH

NAME: David Steadman
AU: 1652
Date: 01/23/01
Room: 8B-11

(10001)
MB

Please search the following 6 sequence(s) in commercial databases as well as in allowed and pending files for interference:

nucleic acid

SEQ ID NO:1, 41

Also, if possible, search deletion mutants as follows: SEQ ID NO:1 with nucleotides 1675-1678 deleted and SEQ ID NO:1 with nucleotides 1726-1728 deleted.

amino acid

SEQ ID NO:2, 42

Thank you,
David Steadman

Point of Contact:
Barb O'Bryen
Technical Info. Specialist
CMT 12014 Tel: 303-4291

AA279726
292d10.r1
Similar to WP.
Sequence.

AB55001 368 bp mRNA EST
 21-APR-1997
 EST63417 Jukrat T-cells V Homo sapiens cDNA 5' end similar to
 similar to nitric oxide synthase, mRNA sequence.
 AB55001
 VERSION: AA35001.1 GI:2007391
 DEFINITION: EST.
 SOURCE: human.
 ORGANISM: Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 1 (bases 1 to 368)
 Adams, M.D., Kerlavag, A.R., Fleischmann, R.D., Fuldner, R.A., Bult

TITLE
Initial assessment of human gene diversity and expression patterns
based upon 83 million nucleotides of cDNA sequence

JOURNAL
Nature 377 (6547 Suppl.), 3-174 (1995)

MIDLINE
96026280

COMMENT
Other ESTs: THC92538
Contact: Varlamova N.B.

Bioinformatics
 The Institute for Genomic Research
 9713 Medical Center Drive, Rockville, MD 20850 USA
 Tel: 3018699056
 Fax: 3018699423
 Email: arkerlavetligr.org
 For clone availability, additional sequence and expression
 information related to this EST, please check the TIGR Human Gene
 Index (<http://www.tigr.org/tdb/hgi/hgi.html>)
 Seq primer: M13 Reverse.
 Location/Qualifiers

[illegible]

| Query Match | 16.6% | Score 348.8 | DB 6 | Length 368 |
|-----------------------|----------------|--|----------|------------|
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| Ddb | 1 | AAAGGCGAGGCTACAGGAGCTGCTGCATTAACAAGGGGCGACCGATTATATGCGCGCTTTGT | 60 | |
| QY | 1251 | acgagaaagcctgtgacgtgtgttgtggaatctctctctcgtcttccctctgtccagccacc | 1310 | |
| Ddb | 61 | ACGAGATGCGCTGTCNCTCTTGATGAGTTCGCTCTTCCCTTCTGCGACGCACC | 120 | |
| QY | 1311 | actcagctctcgtctcgagacatcttctctaaactcaaccagacacatattcgtgtgcaag | 1370 | |

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|----|------|--|------|
| Db | 121 | ACGAGTCTCTGCTGGAACATCTTCTTAACTTCAACCCAGACCATATTCGTGTGCAAG | 180 |
| Qy | 1371 | ctcaaaatttatctaccaccgaagaagctccattttgtcttcaacatctgtgaattctctgc | 1430 |
| Db | 181 | CTCAAGTTTATTTCACCCGAGAAAGCTCATTTTGTCTTCAACATTGTGCAATTTCTGTC | 240 |
| Qy | 1431 | tactgcacacaagaagttctgcggaaggaagatgtaagcctgcgctgccttctgt | 1490 |
| Db | 241 | TACTGCGCAACAGAGGTTCTCGGAGGAGATATGATACAGCTGGCTGGCTTGTGTGT | 300 |
| Qy | 1491 | tgcctcagctctctcagccaaacatacatgcatcccatggaagacgc-aggaaagccctgcg | 1549 |
| Db | 301 | TGCTTCAGTCTTTCAGCCAAACATACATCCATCCATGAAGCANCGGGGGAAGCCCTGG | 360 |
| Qy | 1550 | ctccctaag 1557 | |
| Db | 361 | GTTCCTAAG 368 | |

| | | | |
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| | DEFINITION | EST645453 MAGE rsequences, MACB Homo sapiens cDNA, mRNA sequence. | 01-JUN-2000 |
| | ACCESSION | AW952883 | |
| | VERSION | AW952883.1 | GI:8142566 |
| | KEYWORDS | EST. | |
| | SOURCE | human. | |
| ORGANISM | | Homo sapiens | |

REFERENCE
AUTHORS
Eutrachota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Carnivora; Hominiidae; Homo.
1 (bases 1 to 526)
Hegde, P., Qi, R., Abernathy, K., Dhar, S., Gaspard, R., Gay, C., Holt,
I. E., Saeed, A. I., Sharov, V., Lee, N. H., Yeatman, T. J., and
Quackenbush, J.
TITLE
Assessment of gene expression patterns in a model of colon tumor
metastasis using a 19,200 element cDNA microarray
unpublished (2000)
JOURNAL
COMMENT
Contact: John Quackenbush
ph: 617/355-2700
e-mail: jquackenbush@mit.edu

Department of Microbiology
 9712 Medical Center Dr., Rockville, MD 20850, USA
 Tel.: 301 838 3528
 Fax: 301 838 0208
 Email: johngetlgr.org
 Plate: 44
 Seq primer: Reverse.
 Location/Qualifiers

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BASE COUNT  136 a      142 c      112 g      136 t
ORIGIN

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| Db 121 | TTTACCTGGTGCTCTTGAATCCGAGCAATTCTCTAAAAAGCATTTTCCGACCCCTTGTG | 180 | | |
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Query Match 99.9% Score 2095.4 DB 10 Length 3259;
Best Local Similarity 100.0% Pred. No. 0;
Matches 2096: Conservative 1

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RESULT 2
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 ACCESSION AF121214
 VERSION AF121214.1
 KEYWORDS GI:6561338
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
 REFERENCE 1 (bases 1 to 3291)
 Leclerc, D., Odievre, M., Wu, Q., Wilson, A., Huijzen, J.J., Rozen, R., Scherer, S.W. and Gravel, R.A.
 Molecular cloning, expression and physical mapping of the human methionine synthase reductase gene
 Gene 240 (1), 75-88 (1999)
 TITLE
 JOURNAL
 MEDLINE
 REFERENCE
 2 (bases 1 to 3291)
 Leclerc, D., Odievre, M., Wu, Q., Wilson, A., Huijzen, J.J., Rozen, R., Scherer, S.W., Shoubridge, E.A., Rosenblatt, D.S., Scherer, S.W., Rozen, R. and Gravel, R.A.
 Direct Submision
 Submitted (18-JAN-1999) Human Genetics, Montreal Children's Hospital, 4060 Ste-Catherine West, Montreal, Quebec H3Z 2Z3, Canada
 AUTHORS
 FEATURES
 source
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